

## New England Biolabs Certificate of Analysis

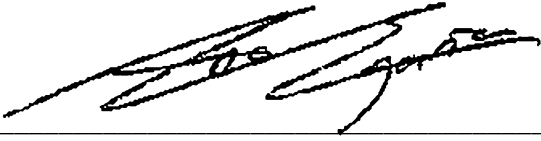
**Product Name:** Monarch<sup>®</sup> RNA Cleanup Kit (500 µg)  
**Catalog Number:** T2050L  
**Packaging Lot Number:** 10172239  
**Expiration Date:** 08/2024  
**Storage Temperature:** 25°C  
**Specification Version:** PS-T2050S/L v3.0

Monarch <sup>®</sup> RNA Cleanup Kit (500 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2057-1	RNA Cleanup 50 Columns (500 µg)	10137049	Pass
T2042-2	Monarch <sup>®</sup> RNA Cleanup Wash Buffer	10144951	Pass
T2041-2	Monarch <sup>®</sup> RNA Cleanup Binding Buffer	10144943	Pass
T2018-1	Monarch <sup>®</sup> Collection Tubes II	10086488	Pass
B1500-2	Nuclease-free Water	10144949	Pass

Assay Name/Specification	Lot # 10172239
<b>Functional Testing (Enzyme Inactivation and Removal)</b> Eight Monarch <sup>®</sup> RNA Cleanup Columns (T2057, 500 µg) are tested with 50 µg of RNA and 2 units of DNase I. A 50 µl reaction in DNase I Reaction Buffer with 1 µg of pBR322 and 50% of the column eluate incubated for 10 minutes at 37°C results in >99.95% removal of DNase I activity in ≥75% of the samples.	Pass
<b>Functional Testing (RNA Recovery and Purity)</b> Twenty-four Monarch <sup>®</sup> RNA Cleanup Columns (T2057, 500 µg) are tested with 50 µg of RNA resulting in ≥75% recovery in ≥80% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples.	Pass
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in Monarch <sup>®</sup> RNA Cleanup Kit (500 µg) and meet the designated specifications.	Pass

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



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21 Nov 2022



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